DERWENT-ACC-NO: 2000-079601

DERWENT-WEEK: 200007

TITLE: Real time application assistance program based task

                         execution controller in computer system -
initializes

                         execution of tasks, based on setting time
signal output

                         by timer

PATENT-ASSIGNEE: MITSUBISHI ELECTRIC CORP [MITQ]

PRIORITY-DATA: 1998JP-0137260 (May 19, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC		
JP 11327928 A	November 30, 1999	N/A
013	G06F 009/46	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 11327928A	N/A	1998JP-0137260
May 19, 1998		

INT-CL (IPC): G06F009/46

ABSTRACTED-PUB-NO: JP 11327928A

BASIC-ABSTRACT:

NOVELTY - The **execution order** of tasks are stored in schedule table
(8), based
on which execution start **time** of each task is set in the timer during
execution
of real **time** application program. A management unit (12) initializes
the
execution of tasks, based on the setting **time** signal output by timer.
DETAILED
DESCRIPTION - Task execution start **times** are registered in task list
table (7).
The scheduling of tasks is performed for every preset scheduling
period, during

execution of real **time** application program.

USE - For controlling task execution based on real time application
assistance
program in computer system.

ADVANTAGE - Since task of several application programs is performed
reliably,
general purpose operation system which cannot setup many fixed
priority is
stored in memory efficiently. Since real time application assistance
program
is operated sequentially by the CPU, generation of rivalry of
resources is
prevented. Enables scheduling of task of real time application
program, more
flexibly. DESCRIPTION OF DRAWING(S) - The figure shows profile
drawing
explaining operations involved in execution of real time application
assistance
program. (7) Task list table; (8) Schedule table; (12) Management
unit.

CHOSEN-DRAWING: Dwg.2/6

TITLE-TERMS: REAL TIME APPLY ASSIST PROGRAM BASED TASK EXECUTE
CONTROL COMPUTER
              SYSTEM EXECUTE TASK BASED SET TIME SIGNAL OUTPUT TIME

DERWENT-CLASS: T01

EPI-CODES: T01-F02;

SECONDARY-ACC-NO:
Non-CPI Secondary Accession Numbers: N2000-062866